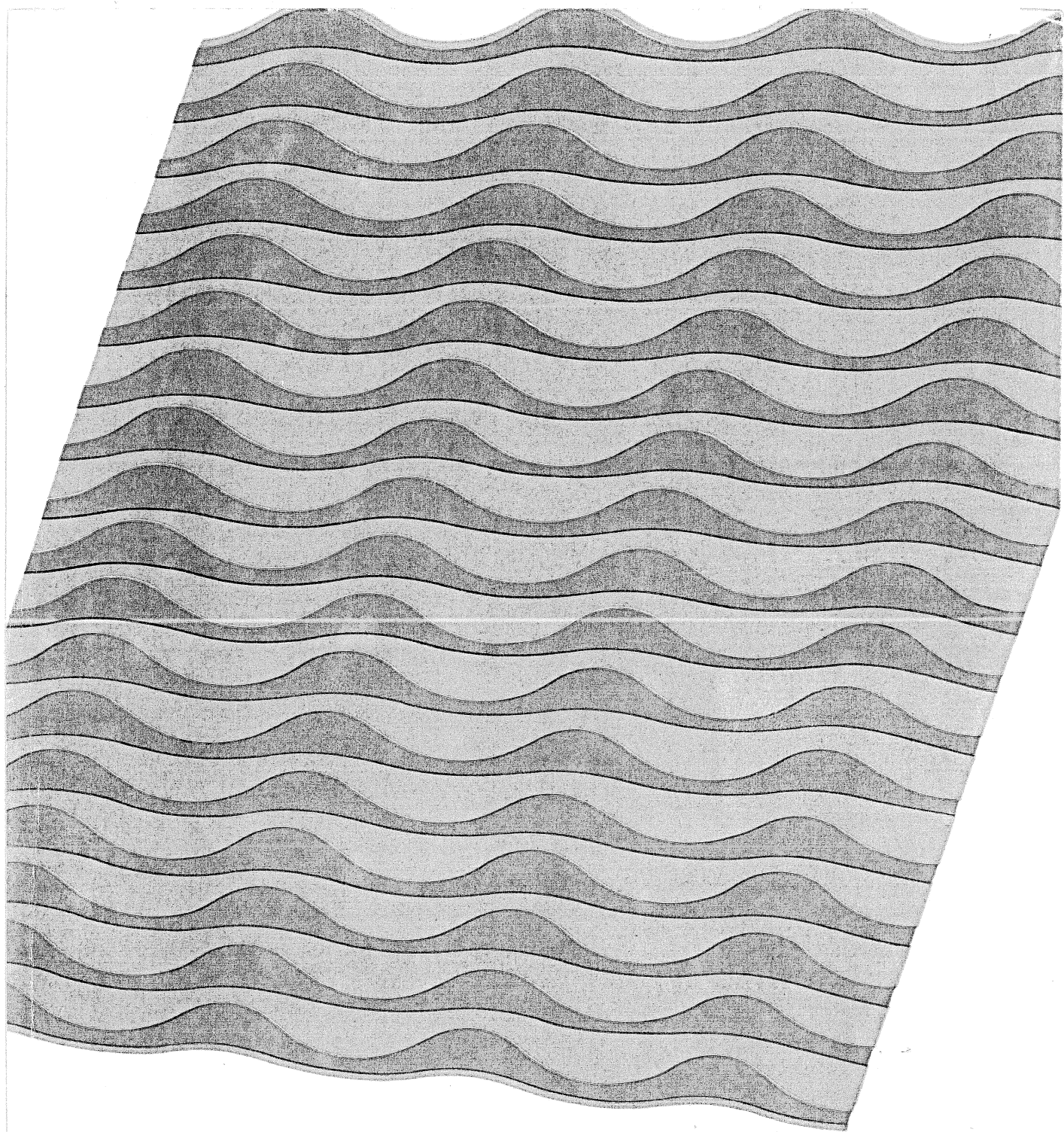


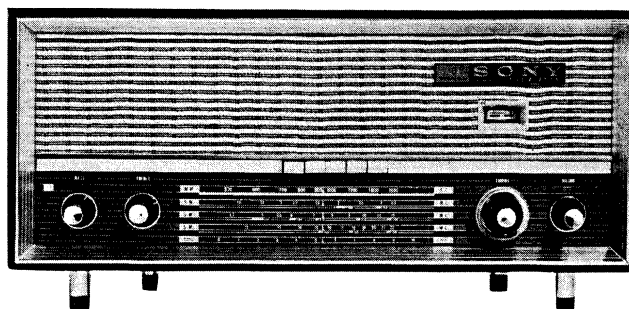


SONY® Transistor Radio Circuits

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Specifications

Circuit :	8 Transistor Superheterodyne MW, SW ₁ , SW ₂ , (Upper Heterodyne) SW ₃ (Lower Heterodyne)
Frequency Coverage :	MW 530~1,605 Kc (566 ~ 187 m) SW ₁ 1.6~4.3 Mc (187~69.8 m) SW ₂ 4.3~12 Mc (69.8~25.0 m) SW ₃ 12~22 Mc (25.0~13.5 m)
Intermediate Frequency :	455 Kc
Antenna System :	MW Built-in Ferrite Bar Antenna SW ₁₋₃ Built-in Frame Antenna MW, SW ₁₋₃ External Antenna and External Ground Leads
Sensitivity : (at 50 mW output with 6 dB S/N)	MW 33 dB (45 μ V/m) SW ₁ 35 dB (56 μ V/m) SW ₂ 30 dB (32 μ V/m) SW ₃ 25 dB (18 μ V/m)
Selectivity :	31 dB at 10 Kc off resonance, at 1,400 Kc
Output Power :	1,000 mW (undistorted)
Current Drain :	13 mA at zero signal, 210 mA at 1,000 mW output
Speaker System :	6-1/2" (16 cm), 4" (10 cm) and 2-1/2" (6 cm) PM dynamic, 8 Ω ea.
Power Supply :	DC—Six Size "D" Flashlight Batteries (9 Volts) AC—Available with SONY Power Adapter, AC-10
Dimensions :	23-5/8" (W) $\times$ 11-3/4" (H) $\times$ 7-1/2" (D) (60 $\times$ 30 $\times$ 19 mm)
Weight :	14.3 lbs. (6.5 Kg.)

Adjustments

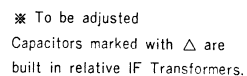
a) Frequency Coverage Adjustment

	Lower Limit	Adjust	Upper Limit	Adjust
MW	520 Kc	Core of MW OSC Coil (L ₆)	1,680 Kc	MW OSC Trimmer (C ₂₋₅)
SW ₁	1.5 Mc	Core of SW ₁ OSC Coil (L ₇)	4.5 Mc	SW ₁ OSC Trimmer (C ₂₋₆)
SW ₂	4.15 Mc	Core of SW ₂ OSC Coil (L ₈)	12.6 Mc	SW ₂ OSC Trimmer (C ₂₋₇)
SW ₃	11.5 Mc	Core of SW ₃ OSC Coil (L ₉)	23 Mc	SW ₃ OSC Trimmer (C ₂₋₈)

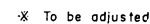
b) Tracking Adjustment

	Lower Checking Point	Adjust	Upper Checking Point	Adjust
MW	620 Kc	Position of MW ANT Coil (L ₁)	1,400 Kc	MW ANT Trimmer (C ₂₋₁)
SW ₁	1.5 Mc	Core of SW ₁ ANT Coil (L ₂)	4.5 Mc	SW ₁ ANT Trimmer (C ₂₋₂)
SW ₂	4.15 Mc	Core of SW ₂ ANT Coil (L ₃)	12.6 Mc	SW ₂ ANT Trimmer (C ₂₋₃)
SW ₃	11.5 Mc	Core of SW ₃ ANT Coil (L ₄)	23 Mc	SW ₃ ANT Trimmer (C ₂₋₄)

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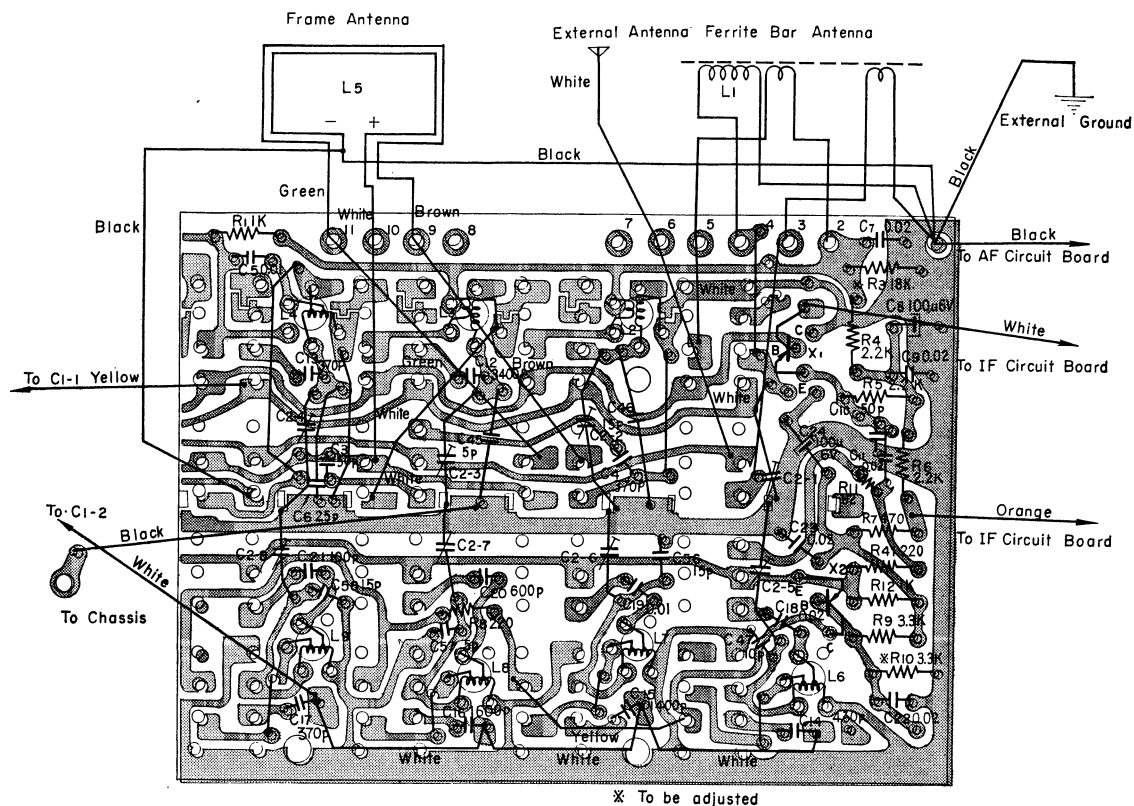


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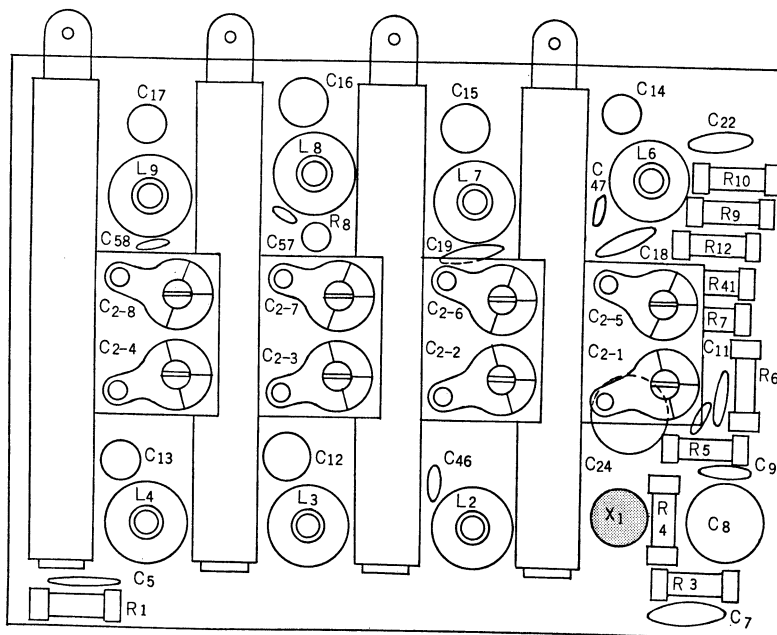


Mounting Diagram

RF Section — Printed Side —



— Parts Side —

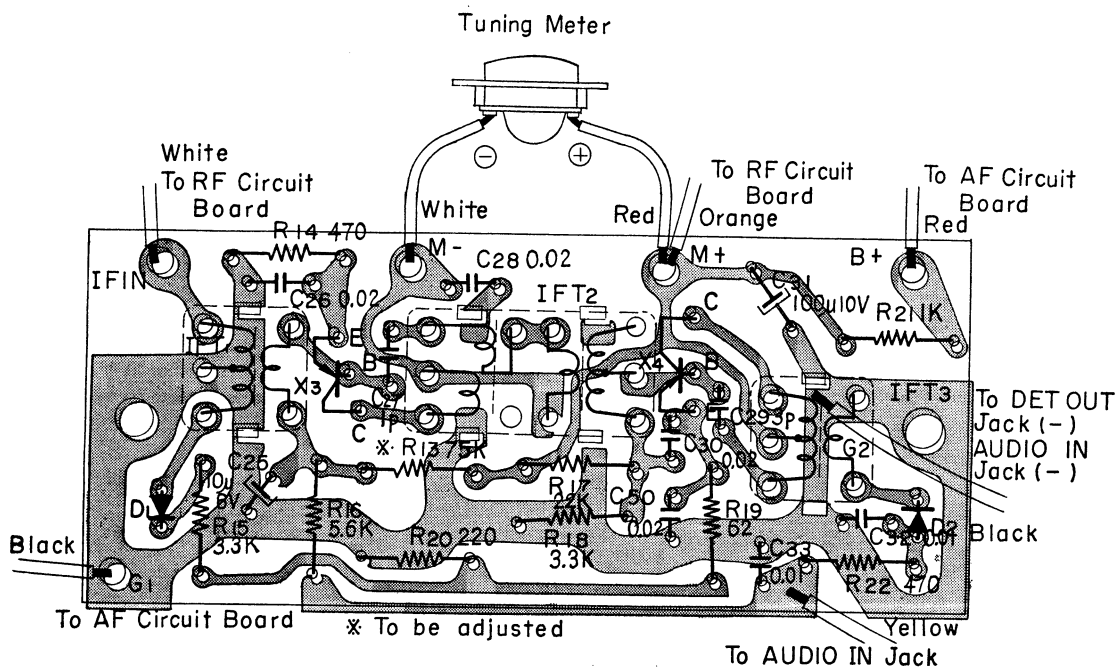


C21 is mounted under C2-8.
C3, 6 are mounted under C2-4.
C20 is mounted under C2-7.
C45 is mounted under C2-3.
X2, C23 are mounted under C2-5.
R11 is mounted under C2-1.

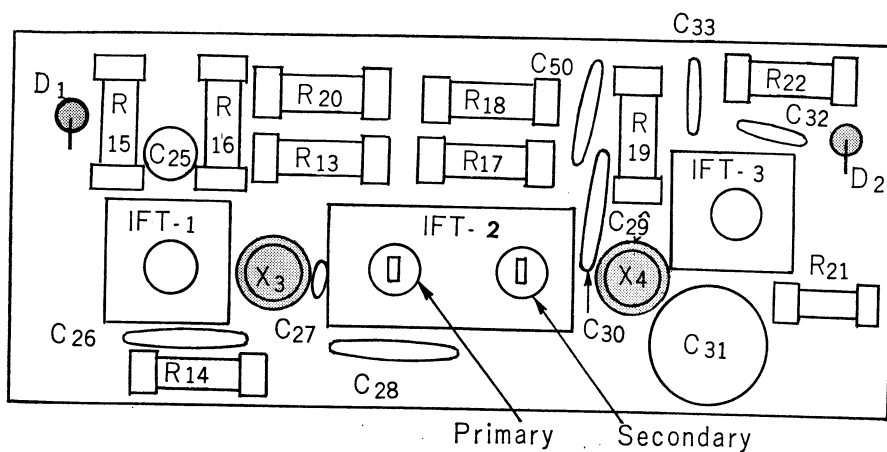
Mounting Diagram

IF Section

-Printed Side-

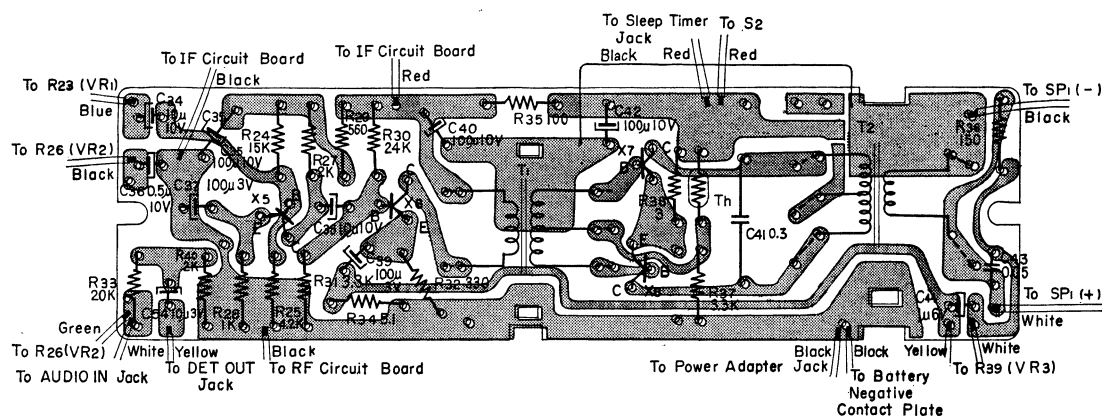


-Parts Side-

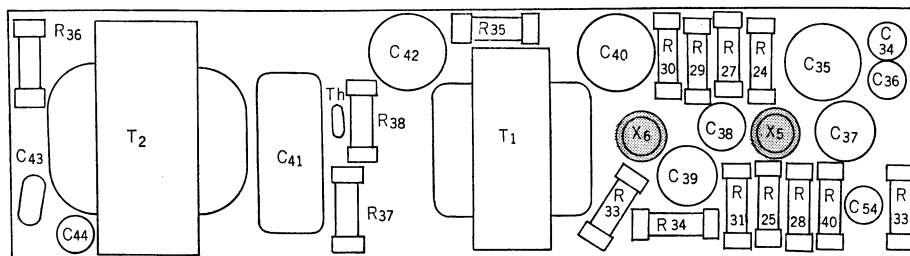


Mounting Diagram

AF Section
— Printed Side —



— Parts Side —



X7 and X8 are mounted on the Heat Sink.